What is claimed is:

1	1. A method of guiding a user in iteratively deriving object models from documents such
2	as requirements documents and validating such object models against documents,
3	comprising the following steps, which may be applied iteratively and interleaved in
4	any order:
5	a) identifying model elements using parts of speech and frequencies of
6	word base forms and noun phrases in a document;
7	b) establishing associations between the model elements using collocations
8	and textual contexts of the word base forms and noun phrases
9	corresponding to model elements in the document;
10	c) validating object models using collocations and frequencies of word
11	baseforms and noun phrases in the document, as well as natural language
12	paraphrases of the models.
1	2. The method of claim 1, in which step (a) comprises the steps of:
2	a) identifying classes using noun base forms and noun phrases frequently
3	occurring in the document;
4	b) identifying attributes using adjective base forms frequently occurring in
5	the document;
6	c) identifying associations between classes using verb base forms
7	frequently occurring in the document.
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1	3. The method of claim 1, in which the identification in step (a) is established by
2	automatic linguistic processing of the document.
	4. The method of claim 1, in which the model elements of step (a) are based on the
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2	concepts and notation of the Unified Modeling Language for representing object
3	models.

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4	5. The method of claim 1, in which the model elements of step (a) are based on the
5	concepts and notation of Entity-Relationship models.
6	6. The method of claim 1, in which step (b) comprises the steps of:
7	a) declaring associations between classes using collocations and textual
8	contexts of word base forms corresponding to the model elements in the
9	document;
10	b) associating attributes with classes using collocations and textual contexts
11	of the word base forms corresponding to the model elements in the
12	document;
1	7. The method of claim 1, in which the collocations and textual contexts are established by
2	automatic linguistic processing.
1	8. The method of claim 1, in which associations between the model elements of step (b)
2	are based on the concepts and notation of the Unified Modeling Language for
3	representing object models.
4	9. The method of claim 1, in which the model elements of step (b) and associations
5	between the elements are based on the concepts and notation of Entity-
6	Relationship models.
7	10. The method of claim 1, in which step (c) comprises the steps of:
8	a) detecting any missing model elements having corresponding word base
9	forms and noun phrases that occur with high frequency in the document;
10	b) detecting any model elements with corresponding word base forms and
11	noun phrases that occur with low or zero frequency in the document;
12	c) detecting any missing associations between classes or between classes
13	and their attributes corresponding to word base forms or noun phrase forms
14	that collocate in the document;

15	d) verifying the semantics of the model using descriptive paraphrases in
16	natural language.
1	11. The method of claim 1, in which the natural language paraphrases in step (c) are
2	automatically produced.